

No. 32  
Sep-Nov 2005

# ICEBREAKER

TASMANIA'S ANTARCTIC BUSINESS MAGAZINE



## *Smart Secretariat*

*CCAMLR's stately new residence*

## *Antarctic and Southern Ocean Exhibition*

*EXCLUSIVE PREVIEW*

## *Heritage Huts' Conservation*

*Aurora Expedition's voyage to Mawson's Huts*

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# Editorial

Thank you to the 5 respondents to my Customer Survey in July. I was hoping for more than 5 out of 55, so late returns are welcome. Comments received were very useful and I am continuing to develop IB's content to better suit your interests.

IB congratulates Sir Guy Green for his appointment as the new Antarctic Ambassador. Sir Guy is well prepared for this role through hosting Antarctic Forums during his time as Governor of Tasmania, and the TPN's Strategic Plans incorporate several initiatives first developed during these meetings.

I was pleased to be invited to 2 significant Antarctic events on September 2 in Hobart. The first was to celebrate Prime Minister John Howard's official announcement of funding for the airlink, and the second was the opening, accompanied by bagpipes from the tower, of CCAMLR's new Secretariat building. Early next year will see TMAG's Antarctic and Southern Ocean Exhibition being opened, with some very interesting educational experiences being developed; then there's the Midwinter Festival and, for the first time anywhere in Australia, the COMNAP/SCAR/SCALOP meetings in Hobart in July 2006. [Good Antarctic Acronym practice here]

There are plenty if opportunities for TPN members to be actively involved in Antarctic business, policy, research, education, or any mixture of them all, so get your skates on!

*Anthea Wallhead*

**Cover Picture: Aurora Expedition's Marina Svetaeva**  
[Photo courtesy of Aurora Expeditions]

**Back Page Ad:** The Maritime Igloo for sale

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## ICE BREAKER Exclusive!

A Tasmanian Perspective on a Journey South - A preview of TMAG's new Antarctic display.

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**ICE BREAKER**  
TASMANIA'S ANTARCTIC BUSINESS MAGAZINE





## **ACAP Secretariat Officially Established in Hobart**

On 22 July I formally signed a joint Memorandum of Understanding with Greg Hunt, Federal Parliamentary Secretary to the Minister for the Environment and Heritage, to officially establish the Secretariat for the Agreement on the Conservation of Albatrosses and Petrels in Hobart.

As most readers would be aware, albatross and petrels are amongst the most threatened bird species in the world. This agreement seeks to ensure the continuing survival of these species by coordinating international activity to reduce threats to their populations.

The Tasmanian Government is providing support in the form of office accommodation and administrative support to the Secretariat as well as \$15,000 towards its establishment costs.

Getting the Secretariat for Tasmania is a significant coup further strengthening the international role the state plays in the Antarctic sector.

## **Antarctic Midwinter Festival another great success**

The 2005 Antarctic Midwinter Festival was another great success. There was something for everyone and unprecedented interest. This year's festival had the most diverse range of events of any Midwinter Festival with events ranging from football at the Midwinter Cup to fire performances by interstate entertainers.

One of the most interesting and well-received events was the rare, historic footage taken by renowned photographer Frank Hurley of Douglas Mawson's 1911 expedition. This event received wide national interest including articles in West Australian and Cairns papers and provided excellent national media exposure for the festival generally.

The success of the festival was further confirmed through a visitor exit survey conducted by festival volunteers and Antarctic Tasmania staff. Survey results indicated that 81 per cent of respondents would visit the festival again next year and 92 per cent felt that the festival was culturally beneficial to Hobart.

Interestingly, the public cited 'awareness of Tasmania's links with the Antarctic' and 'getting outdoors in winter' as some of the most positive aspects of the festival. It is great to see the public embracing the state's Antarctic links and celebrating winter, as these elements are a key part of the Tasmanian culture and a reason for celebration.

I was also pleased to be able to reinforce the Government's commitment to hosting the festival by announcing an increase of \$15,000 in funding for next year's program, making the Government's total contribution \$55,000.

Finally, but most importantly, I extend a warm thanks to all involved in this year's festival, in particular, the festival director, David Laskey, all volunteers and staff, who did a tremendous job with the resources provided to them.

I also note the generous contributions of the festival's sponsors. There are many organisations that provide both financial and in-kind support to the festival year after year, not for the recognition, but out of a commitment and passion for the Antarctic and Tasmanian community. Without the generosity of organisations such as the Mercury Newspaper and Australian Antarctic Division, the festival would not be the success that it is.

**Lara Giddings**

**Minister for Economic Development**

## **POLAR BITES**

- The biggest asteroid to enter earth's atmosphere in 10 years, landed in Antarctica last September. As big as a Metro bus and weighing about 1000 tonnes, the asteroid traveled at 75 km per 5 seconds and left a trail of dust visible by the Light Detection and Radar Device (LIDAR) facility at Davis Station.
- In the Sub-Antarctic, McDonald Island's volcano is erupting again. After being dormant for 75,000 years, it began erupting in 1992, and the island's size has doubled from 1.13 sq km to 2.45 sq km. The island sits on a shallow submarine plateau and the slow-moving mass of lava has gradually changed the island's geography and increased its biodiversity.



Recently I read of the extraordinary plan to conduct a major study and survey of the Southern Ocean's marine life, as part of the 2007-08 International Polar Year program.

In July it was announced that the Australian Antarctic Division will lead the ambitious program of compiling a census which will provide a fascinating snapshot and profile of marine life in the Southern Ocean. The project will involve 20-30 nations, up to 15 research ships and between 100 and 200 researchers and scientists from around the world.

To conduct such an extensive survey of what lives within the Southern Ocean is an awesome endeavour that will reap great benefits in terms of understanding how this region is composed. Scientists can get an understanding of the make-up of the ecosystem, and the prevalence of the many forms of wildlife and species living in the Ocean. It will identify a range of environmental issues, and form the basis from which to track natural developments and changing patterns into the future.

It is important to note that this project is being substantially funded by a grant from the American-based non-profit organisation the Sloan Foundation - which is currently funding the coordination of a ten-year global Census of Marine Life. From this census will come a momentous report into the health of the Earth's oceans, which is due for release in 2010. And the Census of Antarctic Marine Life is just one of 14 field projects being supported by the foundation.

This major project will add to the significant role that the AAD plays in studying the intricate ecosystems of the Antarctic and the Southern Ocean region. It will no doubt constitute a major contribution to the world's understanding and awareness of our natural heritage and environmental challenges. And again, Tasmania will be in the international spotlight as the vast team of international scientists and researchers conduct this historic task from the AAD at Kingston.

**Will Hodgman**  
**Shadow Minister for Antarctic Tasmania**

## POLAR BITES

### HOT AIR EFFECTS

The International Panel on Climate Change (IPCC) states that sea levels are currently rising at 1.8mm per year because of melting polar ice sheets. However, IPCC also predicts that global warming could cause an increase in snowfall over Antarctic because the warmer air means more evaporation and precipitation.

### WHALE SAVERS

A recent newspaper advertisement for the Whale and Dolphin Conservation Society (WDCS) calls on the Federal Government to continue to lobby the Pacific Island States to help end Japan's whaling activities, which may include hunting humpback and fin whales. For further information, see [www.wdcs.org.au](http://www.wdcs.org.au).

### GONDWANA LINKS PROTECTED

The Department of Primary Industries, Water and Environment (DPIWE) has released a book reviewing Tasmania's Wilderness World Heritage Area. It identifies 4 types of grasshopper, which have Gondwanan ancestry, and trees of Jurassic-age DNA. The 1.38 million hectares of reserve also has alpine and sub-alpine flora including 38 threatened species.

### NOW NON-ANTARCTIC

After nearly 2 years of trying to lease Antarctic Adventure in Salamanca Square as a tourism-based facility, the State Government intends to convert the building to house Department of Health offices. The heritage-listed building will be partly demolished to accommodate a glass-fronted shop and restaurant, 2 full floors of offices, and an atrium, while the historic quarry wall will remain exposed and lit by skylights.

# PEG PUTT'S MESSAGE



It seems that not a month goes by without Tasmania taking a new step toward further securing its reputation as a hub of Antarctic activity. Since the last time I wrote to *Ice Breaker* we've seen the establishment of a new secretariat for the international Agreement on the Conservation of Albatrosses and Petrels (ACAP).

From its new Hobart headquarters ACAP will coordinate international activity to conserve these amazing Antarctic bird species. This is a notable international conservation effort as, according to the World Conservation Union, 23 of the 24 species of Albatrosses are considered endangered or threatened. This type of local development also employs staff, and will help to attract international visitors to the state.

I have also been watching with great interest the dispute over Japan's whaling program, which they claim is for "scientific" purposes. Humpback whales, nearly driven to extinction from whaling before an international ban on whaling was adopted in 1964, live in Antarctic and Australian waters.

Greens Senator Bob Brown has recently moved a motion in Federal Parliament to, among other things, stop all whaling from occurring in Australian territorial waters. Unfortunately, the motion was voted down which means that the great humpback whale, is still under threat. I would urge readers to help turn this situation around by lobbying their federal politicians and the Japanese Ambassador in Canberra.

I am also pleased to accept an invitation from the Convention on the Conservation of Antarctic Marine Living Resources (CCAMLR) to attend the opening of their new Hobart Offices. I have had the privilege of welcoming international delegates of CCAMLR to Tasmania in past meetings. I look forward to doing so again this year and wish CCAMLR the best of luck in their new premises.

**Peg Putt MHA**

**Tasmanian Greens Opposition Leader**

## TPN CHANGES

- **The following Tasmanian Polar Network members are Committee representatives for 2005-06.**

Bill Lawson (SKM) – Chairman  
Phil Wood (HIAPL) – Senior Deputy Chairman  
Wayne Tucker (Tweezy) – Deputy Chairman  
Ben Galbraith (Antarctic Tasmania) – Secretary  
Tony Hughson (Consultant) – Treasurer;  
and Members' Representatives -  
Geraldine Edwards (Moonraker)  
Richard Fader (Tasshipping)  
Christie le Goy (ACE CRC).

- **Sir Guy Green replaces Tim Bowden as Antarctic Ambassador.**

- **New TPN representatives include the following:**

David Pemberton replaces Bill Bleathman for TMAG; Andy Baird replaces Adrian Spinks at TMAG; Christie le Goy replaces Bruce Mapstone for ACE CRC; Robert Devine replaces Di Blackwood at Hotel Grand Chancellor; Amanda Lunson and Andrew Jenkins replace Aden Carter and Glenn Hopkins at Harris Print; Brian Walsh replaces Gary Slicer at Doherty's Hadleys Hotel.

- **New staff at TPN members' premises include:**

Virginia Mudie, Deputy Director at AAD; Lesley Kirby, Director of Royal Tasmanian Botanical Gardens; Charles Scarafioti replaces Dick Knoop at Hobart Ports Corporation; Heather Glidden replaces Brett Dackiewicz at Antarctic Tasmania; Sandra Zicus replaces Katrina Nitschke at ACE CRC.

# TPN CHAIRMAN'S MESSAGE



At this time of each year we approach the coming Summer Season with anticipation and also Hobart hosts the annual CCAMLR Conference in October.

This year, CCAMLR will do so from their magnificent, newly renovated premises in Macquarie Street – the old Hutchins School building. The facility will be officially opened with due ceremony at the October meeting but at an Open Day on 2<sup>nd</sup> September, it will be on display to the wider Antarctic and Southern Ocean community as well as to key Tasmanian entrepreneurs and decision-makers. This will be a prestigious occasion and one which I urge all Members to attend. We will 'use' it to seek to advance the Network's ongoing strategic objective to awaken Tasmanians to the opportunities to our south and our advantaged strategic position.

The Event will also be a wake-up call to us all with respect to next year's major COMNAP/SCAR/SCALOP conference to be held and hosted in Hobart. This will be a major opportunity to build on our already good international reputation both as a Network and as a State. Up to 1000 international visitors are expected and a Trade Show is being organised. I encourage all Members to participate as fully as they are able. The Department of Economic Development has allocated an additional sum of \$10,000 to the TPN to assist us in making the most of this unique opportunity, both as individual traders and as Tasmanians. Detailed planning is now well in hand and details will be circulated to Members as appropriate. The Office of Antarctic Tasmania can assist with further information on request.

This year's Midwinter Festival was another great success and it continues to build as an annual Event on Hobart's calendar. Thanks to all those who helped make it happen again, particularly those Members who purchased advertising in the Mercury Supplement, which is undoubtedly the single most important information source for the Public.

For some time now, the Network has been considering its position with respect to Antarctic Tourism out of Hobart. Members will be aware of the information and discussion Papers which have circulated as well as the opportunities for participation in the process of arriving at a point of defining the TPN's position. We have now done so with a final proposed Proposal to be put before Members for adoption and subsequent pursuit. This is a very significant subject for the TPN and Tasmania and I again encourage Members to fully engage with the process, which is now drawing to a conclusion.

Finally, I want to welcome Heather Glidden to her new role at AT in which she will be providing support to the Network. In doing so, I also wish Brett well for his future career and place on record the gratitude of the Network and its Members for his hard work and enthusiastic support to the Network in recent times.

**Bill Lawson.**  
**TPN Chairman.**

## POLAR BITES

### R&D PROMOTION

SonarData, a Tasmanian business which has developed Echoview, a sonar analysis and visualisation software program, will be one of the businesses to benefit from a new research and development program recently launched by Lara Giddings, the Minister for Economic Development. Called Bizgrowth, the \$500,000 program will assist businesses make products commercially viable. SonarData's Echoview can provide underwater information, such as species and behaviour of fish, plus seabed data, in a 3-dimensional model. It was originally developed with the AAD to help monitor Southern Ocean fisheries and is now being used in over 120 research institutes around the world.

### MARITIME SPACE

The Maritime Museum of Tasmania, now housed in the Carnegie Building in Hobart, is requiring more space for exhibitions, educational activities, curatorial areas and storage. Suggestions have been put forward by several interested parties to develop a new museum complete with floating exhibits, and further ideas can be sent to Colin deny on 0418 127 901 or email [colindenny@netspace.net.au](mailto:colindenny@netspace.net.au)





The *Annual General Meeting* of the Tasmanian Polar Network (TPN) was held on 26 August 2005, and members reviewed the 2005-06 strategic plan and budget. This year, the TPN will specifically focus efforts on:

- (1) capitalising on the opportunity of Hobart hosting the biennial meetings of SCAR/COMNAP during July 2006;
- (2) capitalising on the growing industry interest in using Hobart as a tourist gateway to East Antarctica; and
- (3) monitoring and fostering emerging opportunities arising from the staged implementation of the Australian Antarctic airlink.

In other developments, TPN member, Barking Spider recently signed a MoU with the Chinese Bureau of Meteorology to supply scientific instrumentation for automatic weather stations that will be deployed to Antarctica. In July 2004, Barking Spider participated as a member of the Tasmanian Delegation to the SCAR/COMNAP meetings and trade show in Bremen, Germany.

Of interest, interview data from surveys collected at the 2004 Antarctic Midwinter Festival has now been analysed. Overall, twenty-nine per cent of respondents were from interstate and overseas and 78 per cent of these people came into the State by air-transport. Ninety-two per cent of all respondents said they felt the festival was culturally beneficial to Hobart and 81 per cent stated that they would return next year. The Huskies Picnic and the Photography Exhibition were the most popular events recorded in the survey. Other popular events included the film festival, ice sculpturing, and the petrel parade and fire performances.

Of significance to Hobart, from 1 July 2005, the research divisions CSIRO Marine Research and CSIRO Atmospheric Research merged to create CSIRO Marine and Atmospheric Research (CMAR). The new division's work encompasses the assessment of atmospheric and earth systems and the prediction of climate, weather and ocean processes; and research to integrate coastal management to ensure marine resources and industries are sustainable. CMAR also manages the National Facility – Ocean Research Vessel *Southern Surveyor*.

The amalgamated division comprises approximately 540 staff, plus more than 100 students and long-term visitors. Employees are located at Aspendale, Victoria; Canberra, ACT; Cleveland, Queensland; Floreat, Western Australia, and Hobart, Tasmania, where the Office of the Chief is located. Significantly, over 250 of the new division's staff are based in Hobart, which is headed by Division Chief, Dr Tony Haymet.

Discussions were also held with the University of Tasmania and CSIRO Division of Marine and Atmospheric Science to progress establishment of an academic prize that specifically targets post-graduate students with expertise in the field of quantitative marine science. The prize will assist with the career development of the best and brightest marine scientists through research placements with marine research institutes based in Brest, France. Over the longer-term, this modest measure will assist CSIRO and the ACE CRC with recruitment, addressing the international shortage of skilled scientists in this field.

In addition, the International Antarctic Institute (IAI) Secretariat formally received funding approval for three years from the University of Tasmania's *Senate and Council*. Inauguration of the IAI Council of Members has been scheduled to coincide with the international meeting of SCAR/COMNAP meetings which will be held in Hobart during July 2006. The first courses are expected to be offered in 2007. The University of Tasmania will host the Secretariat for the first three to five years of the IAI. Whether the Secretariat will remain in Tasmania, or rotate to other partner institutions, has yet to be determined.

Our best wishes are extended to Dr Helen Riley working at the ACAP Interim Secretariat, who recently completed her secondment from Scottish Natural Heritage, based in the United Kingdom. She has been replaced by Mr Warren Papworth, who also joins the Secretariat on secondment from the Policy Branch of the Australian Antarctic Division.

**Ben Galbraith**  
**Antarctic Tasmania**

## **NEW DEGREE**

The University of Tasmania will introduce a 3-year Bachelor of Marine Science degree next year. U Tas has signed a MoU with James Cook University in Queensland so that students can study both tropical and temperate marine programs. Hobart is already regarded as the marine science capital of the Southern Hemisphere, with facilities at CSIRO, Tas. Aquaculture and Fisheries Institute, IASOS, National Oceans Office, AAD and ACE CRC.



# AN ICE PROFILE: KENJI OGAWA

*For the last 2 years, Kenji Ogawa's ice sculptures have been a popular attraction at Hobart's Midwinter Festival in June, but these pieces, which are carved with chainsaws, chisels and saws, are quite small compared to some of the projects he has undertaken. For instance, in 1999 he carved a 10-tonne ice sculpture in Anchorage, Alaska, to mark the fall of the Berlin Wall and 1998 he created a 4-metre high bust of Gandhi for the Nagano Winter Olympics in Japan. However, Kenji's plan to sculpt a 13m high iceberg in Alaska in 1991 was abandoned because of unusually high temperatures, so his ambition to carve a gigantic ice sculpture is still unfulfilled.*



Kenji was born in Tokushima, Japan in 1949 and originally trained and worked as a hotel chef in Tokyo, Guam and Tehran before moving to Australia in 1976 to become chef for the Japanese Consulate-General. In 1986 he left his hotel career to participate full-time in international ice carving championships, and since 1987 Kenji's company, Ice Carving International, has exhibited in Japan, China, Alaska, Canada, USA, NZ and Norway. Although the majority of work is for corporate events, Kenji's visit to the Great Wall of China in 1989 played a significant role in developing the underlying theme of his ice sculptures, which is the promotion of world peace and humanitarian causes.

When not creating ice sculptures for charity functions, corporate dinners and advertising, Kenji lives in Sydney with his wife and two teenage daughters. He divides his time between sculpting, looking after his family, kayaking (including 110 km endurance races), and helping other people. Kenji is currently preparing for a sculpture of a canoeist in a kayak for Penrith's Whitewater Championships, a trip to Japan, as well as to the next Winter Olympics in Italy. He recently revisited Hobart to assist another ice sculptor, Hannah Pärssinen, with her work for a function at City Hall, and generously provided his time and expertise for free. His life story is included in 'Seven Extraordinary People' a book compiled by Paul Saintilan and published by Ice Calm Pty Ltd, Sydney. Kenji can be contacted through his website: [www.kenjisice.com](http://www.kenjisice.com).



**Kenji's Tigers in Alaska. Photo courtesy of Kenji Ogawa**

# NEW CCAMLR HEADQUARTERS

On Monday 25 July CCAMLR (the Commission for the Conservation of Antarctic Marine Living Resources) moved into newly refurbished premises at 181 Macquarie St., Hobart. Previously these premises were occupied by the Masonic Club of Tasmania and up to the early 60's were part of the Hutchins School. The corridors of the premises reflect the early history of the building with photos from the early Hutchins days.

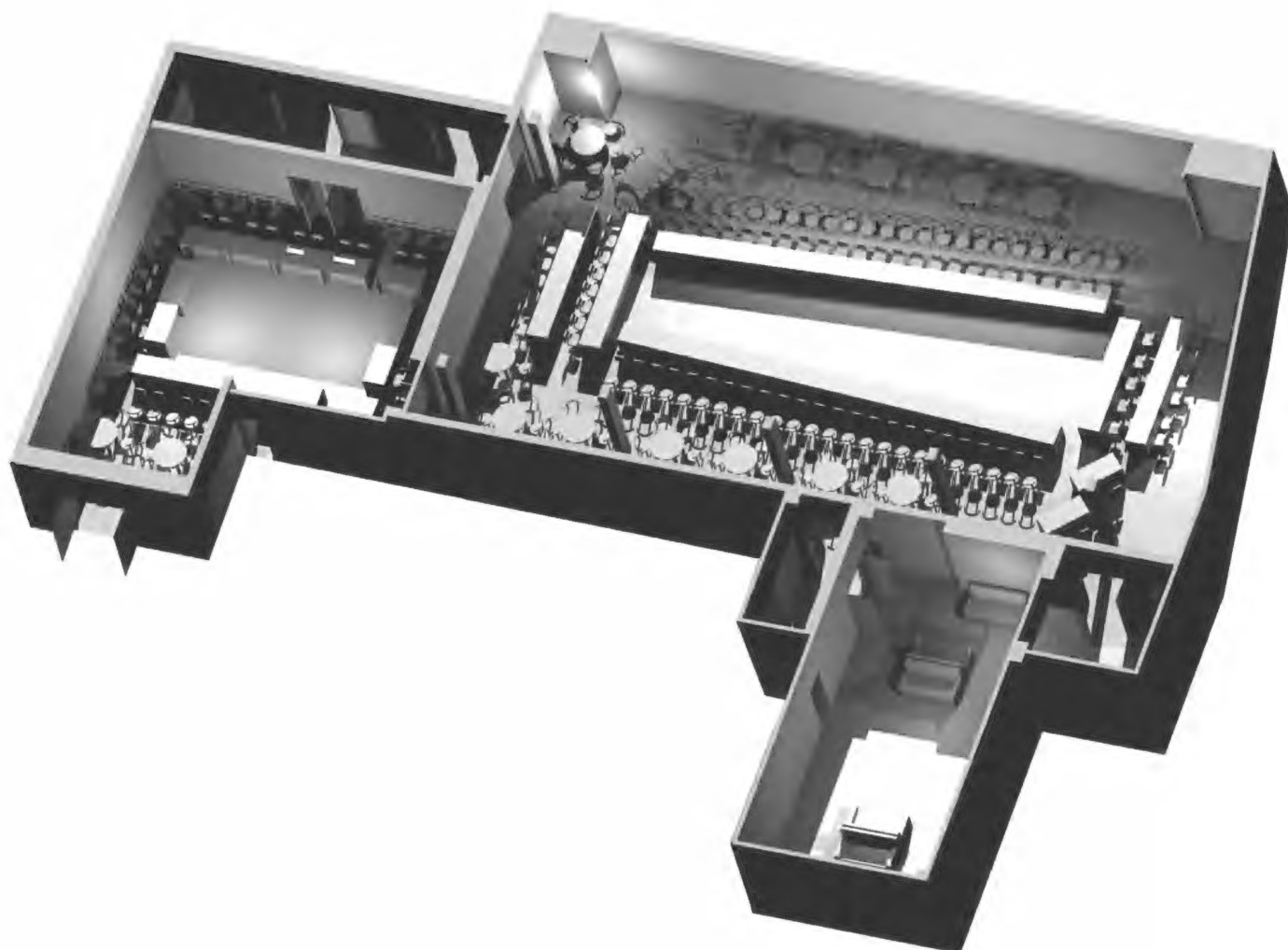
Since the formation of CCAMLR the Secretariat has been located on three sites; initially at Old Wharf on the site currently known as the Henry Jones Art Hotel, and then for the past seven years on the corner of Harrington and Melville Streets, before this last move to a site which may be considered a permanent home.

The new premises incorporate offices for the Secretariat together with a conference facility, which will enable CCAMLR to hold its annual meetings on site rather than away from the office. The conference facility is available to outside organisations with a number of expressions of interest already received.

The building belongs to well known developer Robert Rockefeller who continues his interest in Antarctic affairs through his association with CCAMLR and has refurbished the premises to CCAMLR specifications, thus providing the organisation with long term accommodation.

The new facilities will provide accommodation for 25 staff currently employed at the Secretariat to carry out its core function of the conservation of marine life of the Southern Ocean, together with the support services required to carry out that role.

The building will be officially opened by the Minister for Foreign Affairs, the Hon. Alexander Downer MHA, on 24 October 2005, to coincide with the opening of the twenty-fourth meeting of CCAMLR.



# NEW CCAMLR HEADQUARTERS

**Previous Page: 3D graphical representation of ground floor of the new CCAMLR headquarters in Macquarie St, Hobart.**

**Courtesy Heffernan Button Voss - Architects.**



**Above:**  
"The Hutchins School, Macquarie Street. Built on the site of the Government Garden and completed in 1849."

**It then housed the Masonic Club, and continued to do so up until 2005.**

**Photo: Courtesy Ed Kremzer (CCAMLR)**

**Left:**  
New CCAMLR building, showing logo.

**Photo: Courtesy Libby Mansfield (Hansen Yuncken Pty Ltd) for Ed Kremzer (CCAMLR).**



# ANTARCTIC TASMANIA SCHOLARSHIPS

Winners of scholarships for Antarctic-based studies and an essay competition were announced prior to the Midwinter Dinner in June this year. These awards were provided through sponsorship agreements with State Government, through Antarctic Tasmania, and the University's Institute of Antarctic and Southern Ocean Studies. The photo shows some of the winners\*, accompanied by Sir Guy Green(L), Tasmania's new Antarctic Ambassador and Lara Giddings(R), Minister for Economic Development.



## **Stephanie Dupré\***

*The Impact of Climate Change on Australia and the Southern Ocean*

Stephanie completed a first-class Honours degree in physical oceanography/meteorology at the University of New South Wales in 2004. She is enrolled in a Masters of Science program at UTAS, researching the potential effects of climatic variability on the Australian continent.

## **Matthew Brown\***

*Staging the Sexual Development of Female Krill.*

Matthew completed a BSc at UTAS in 2004, and entered the IASOS Bachelor of Antarctic Studies with Honours program in 2005. His project is being conducted in association with scientists at the Australian Antarctic Division, and focuses on unravelling the reproductive processes in krill, which are a key component in the Southern Ocean ecosystem, and have the potential to be a large fishery resource.

## **Jennifer Rhemann**

*Approaches to Reduce and Eliminate Impact of Introduced Species in the Antarctic Region* Jennifer came to UTAS as an international student in 2005 from the United States. She has spent a number of summers at the US Antarctic Station of McMurdo, and decided that enrolling in an Antarctic Studies program at UTAS would be a very beneficial next step. Her project deals with environmental protection as applied to the Antarctic and sub-Antarctic.

## **Patrick Lewis\***

*An Investigation into Introduced Marine Species in the Sub-Antarctic*

Patrick's PhD project is investigating the movement of unwanted species between temperate ports and sub-Antarctic islands (including Macquarie Island) via ships' hulls. This travel support will be used to attend the 2005 Conference on Marine Bio-Invasions in Wellington, New Zealand.

## **Michael Grose\***

*Biogenic Gas Production and Phytoplankton Ecology at Cape Grim*

Michael's PhD project is investigating the linkages between phytoplankton productivity off Tasmania's west coast and the amounts of certain biogenic gases measured at the Cape Grim Baseline Air Pollution Station. This travel support will be used to attend the Dynamic Planet 2005 Conference in Cairns, Queensland.

## **Dr Phillip Law Essay Competition**

### **Irina Gan\***

Essay title: *There Was No Cold War in Antarctica Contribution of Dr Phillip Law to Australia's Antarctic Endeavours*

Irina is enrolled in a Masters program at IASOS, examining the Soviet interest in the Antarctic in the 1940s-1960s. As a Russian speaker and linguist, she can take advantage of a broad selection of literature in her research. She is also an active member of the Tasmanian Polar Network, which itself aims to promote Tasmania's role in supporting Antarctic operations.

## On Creating a Culture in *Regional* Hobart as the Antarctic Gateway

The increasingly successful Midwinter Festival in Tasmania is creating a strong awareness of our icy continental neighbour down south. Events such as the Huskies Picnic are rated by participants as perhaps the most culturally beneficial contributors to our Gateway status and for recognising links with Antarctica. It helps to get the marvellous weather like we did this year, but repeated events continue to drive the message home and into the households and out into the world.

Anyone watching the look of pure pleasure on the kids' faces as the quads rev along behind the huskies can see those boys and girls really developing a desire to travel to Antarctica one day soon – either as scientists or visitors. And there is nothing else to quite ignite the dream like the photography exhibition did. If you can see it, you can dream being there one day and bringing back your own bit of ice and memories to share with friends and family.

These sorts of festivals all add to creating a culture of Hobart as the natural Antarctic gateway. What else can we do to make Antarctica a day-to-day part of Hobart's life?

We can continue to work attract and keep Treaty organisations. The more people, the more expertise, the more funding, the greater the energy driving Hobart as a pre-eminent gateway.

We can continue to support educational changes such as the University bringing other Antarctic campuses to Tasmania. Certainly, supporting the conversion of Macquarie Island to a tertiary campus is a visionary idea whose success may eventually extend such concepts to even Mawson Base.

There are other opportunities. Clarence City Council's recent decision recognising the importance of the Airlink and seeking to identify and promote its potential benefits is welcome. Kingborough has the AAD, Hobart the port, people and treaty organisations, Clarence the airport. There is no way this decision should be seen as one council trying to take away from others – quite the reverse. It's this sort of initiative for combining resources, ideas and enthusiasm that shows local government's capacity to be a real force supporting Antarctic, sub-Antarctic and Southern Ocean matters.

**Hobart is shortly to review its Strategic Plan. All councils have to have one. Now is an opportune time to interweave TPN's vision with Kingborough, Hobart and Clarence. To be inclusive, to make the three Councils all part of TPN's vision, now is the time for TPN's members to consider a key change to its draft 2005/05 vision.**

Currently it refers only to Hobart as "...the pre-eminent international gateway to the Antarctic, sub-Antarctic and Southern Ocean, and to supply cold climate goods and services throughout the world." The mission however is to "promote Tasmania as the international centre of excellence..." What's missing here?

As a great believer in regional development, focusing just on Hobart means two other great supporters may inadvertently be ignored. It's time the TPN vision heralded the Hobart *region* as the pre-eminent international gateway. Antarctic opportunities are bigger than one council. I believe Hobart is big enough to realise the need to take a regional approach. What do you think?

Eva Ruzicka

## POLAR BITES

- This year, one of the Australian Antarctic Medals was awarded to Geoffrey Copson from DPIWE. Geoff is a wildlife management officer and was responsible for the pest control program which eradicated cats and the NZ Weka bird from Macquarie Island.
- Congratulation to Helicopter Resources Pty Ltd, the TPN member chosen by AAD for a further 5-year contract to supply helicopter services in Antarctica.
- Australian Customs will be training commandos to help hunt for fish poachers in the Southern Ocean. Essential requirements are the ability to cope with up to 50 days at sea, often in 20m swells 105 km winds, as well as being able to use firearms, including machine-guns.
- Other Antarctic-related winter specials enjoyed by Tasmania this year were snow down to sea-level in some areas during August, and a brilliant light show from Aurora Australis.

# A TASMANIAN PERSPECTIVE ON A JOURNEY SOUTH

*An exclusive glimpse at just one of the displays to be on show at the new permanent Antarctic and Southern Ocean Exhibition, opening soon at the Tasmanian Museum and Art Gallery. Text from Q1115, 'Charles T. Harrison.', 1913 c, Australasian Antarctic Expedition - 1911-1914.*

Often, when we hear tales of great adventure, the same familiar names seem to roll off the tongue. So it is quite natural when talk turns to Antarctic exploration in the early 20<sup>th</sup> Century for images of Mawson and Shackleton to spring to mind. Their achievements are well documented, but what are perhaps less well known are the thoughts and observations of other members of those expeditions south. When Mawson left from Hobart to lead the Australasian Antarctic Expedition in 1911, there was only one Tasmanian aboard. Charles Turnbull Harrison was born in Hobart in the late 1860's. Some forty years later he joined Mawson's team on the wharf in Hobart to accompany them south as a biologist and artist. His journal entries at the time describe the scene on the day of departure in December 1911.

"Arrived by tram and found wharf crowded. Rushed through...just before sailing, his Excellency Sir H Barron sent for me and he and Lady Barron wished me well and bade me do my best for the credit of Tas. Needless to say, I promised to do my best"<sup>1</sup>

As a biologist, he wrote in detail about what he witnessed from the deck of the "Aurora" as she sailed south. He described three species of albatross (the Wandering Albatross, the Molly-Hawk and the Sooty Albatross) and noted how they hovered in the ship's wake.

"Night and day the great birds floated and hovered silently around, - and I could realize the feeling that prompted the old mariners to believe that the souls of drowned sailors entered into those wonderful birds"<sup>2</sup>

His journal is a wonderful account of the southbound journey, a document of everything from the weather and the ship's position, to the birds, sea creatures and animals encountered on the way. He detailed landing at the Shackleton Ice Shelf and then goes on to give an insight into the daily reality of a sledging expedition, as well as life at base camp.

Harrison's drawings also evoke the scene at the time. He sketched the S.Y Aurora anchored to ice floe, tent clothes hung out to dry in bad weather, and members of the party as they celebrated Christmas on ice.

These mementoes along with other personal effects – his mittens, his sleeping bag, and his boots – offer an intimate record of Harrison's journey south and an insight into the mind of expeditioners of this era. These artefacts form part of the Tasmanian Museum and Art Gallery's collection for the new permanent Antarctic and Southern Ocean Exhibition. This gallery will explore the places, people, creatures and phenomena that make the great southern wilderness a world of its own. And memorabilia from 20<sup>th</sup> Century expeditions right through to the modern day are actively being compiled by the team working hard behind the scenes to open the exhibition by late January next year.

The Tasmanian Museum and Art Gallery is interested in receiving memorabilia from expeditioners who would like to donate items to the collection. A wide array of objects is being sought, from clothing to scientific equipment and photographs, including shots taken on the journey to and from the Antarctic and visits to sub-Antarctic islands.



**Q1110**

**C T Harrison [Artistmaker];**

**'Sketch by C.T. Harrison - "Digging out the Tents" - '**

**1912, March 30**

**ACKNOWLEDGEMENT:**

**Collection: Tasmanian Museum and Art Gallery**

<sup>1</sup> Journal, Charles Turnbull Harrison, Dec 2nd 1911, Mitchell Library, Sydney CY REEL 1188 ML MSS386

<sup>2</sup> Journal, Charles Turnbull Harrison, Dec 4th 1911, Mitchell Library, Sydney CY REEL 1188 ML MSS386



# A TASMANIAN PERSPECTIVE ON A JOURNEY SOUTH

"This exhibition is a chance to explore the definitions and perceptions of Antarctica and the Southern Ocean. It will cover the geography of the area and detail the species that inhabit the environment. It also presents the human endeavours that have led to our understanding of the region, and expands on the unique relationship Tasmania has with the south," said Senior Curator of Vertebrate Zoology at the TMAG, Doctor David Pemberton, who heads the new Antarctic and Southern Ocean Exhibition.



Q1119 C T Harrison [Artistmaker];

'[from a sketch by C T Harrison ?] Repairing the torn tent in our "dugout" refuge - Under the Avalanche Cliffs' 1912, September 5th.

**ACKNOWLEDGEMENT:** Collection: Tasmanian Museum and Art Gallery

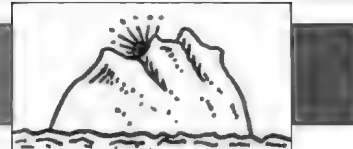
Charles Harrison's stay at the Shackleton Ice Shelf lasted just over 12 months. He returned to Hobart and one year later began preparations for his next trip south, this time aboard the Australian Government Fisheries Research Vessel Endeavour, which was bound for Macquarie Island with new staff and supplies. The Endeavour left Macquarie Island in late 1914 amid bad weather, and was never seen again.

Now more than 90 years on, Charles Harrison's sleeping bag, artwork, boots, mittens and polar medal continue to tell a tale about adventures from another age. These items, together with countless other personal effects from expeditioners, scientists, fishermen and tourists, provide a viable, visual record of life in the Antarctic and offer an insight into just what motivates those who choose to visit her icy shores.

## Contact Details

Anyone wishing to donate an item to the new permanent Antarctic and Southern Ocean Exhibition can contact the Tasmanian Museum and Art Gallery via email at [antarctic.exhibition@tmag.tas.gov.au](mailto:antarctic.exhibition@tmag.tas.gov.au) or by telephoning 62 11 4166. [Thanks to Michelle Nichols, Media Relations Officer, TMAG for this article]

[ Editor's Note: One of the AAD's new buildings opened at Kinston last year was named after Charles Harrison.]



## **COUNCIL'S ANTARCTIC INTEREST**

Congratulations to the Clarence City Council, which recently passed the following motion:

“That Council:

- (a) notes the newly announced Antarctic Airlink between Hobart and Casey Station;
- (b) recognises that there will be significant opportunities for businesses in Clarence and Southern Tasmania;
- (c) agrees to work proactively with other Southern Tasmanian Councils, State Government, AAD, Hobart International Airport, TPN, and other business associations in Southern Tasmania to promote these opportunities; and
- (d) hosts an “Opportunities Forum” to identify and promote potential benefits of the Airlink.”

## **NEW START TO MAWSON'S HUTS PROJECT**

Aurora Expeditions is pleased to announce plans of its initiative to facilitate conservation work at Australia's only surviving site from the Heroic Era of Antarctic exploration – Mawson's Huts Historic Site.

Aurora Expeditions founder Greg Mortimer believes that the timing is right to step in and try to save Mawson's Huts. “We can see an opportunity for something to be done and realise that now is the time to break the stalemate. This place is no less than a national icon and it badly needs attention.”

Located at Cape Denison, Commonwealth Bay in the Australian Antarctic Territory, the site consists of intact buildings, structures and relics from Sir Douglas Mawson's Australasian Antarctic Expedition of 1911-1914. Culturally significant and a vital element of our national estate, the site is an integral part of Australia's history and involvement with the Antarctic continent.

Aurora Expeditions, in partnership with the Mawson's Huts Foundation and Australian Geographic, has taken the initiative to carry out a Conservation Management Plan that has been stalled since its inception in 2001. Aurora will carry four Australian workmen on its 25-Day Commonwealth Bay voyage departing Hobart on December 9<sup>th</sup>. It is estimated that the team will require six full days to complete the work, however the extreme weather conditions, (Cape Denison is the windiest place on earth at sea level), will test all involved.

“We are fortunate enough now to be in a position to bring this team out to try and make a difference. The thing is, no one has seen the site for a number of years nor knows the state of the structures and we intend to find out” said Mortimer.

**Aurora Expeditions** is an Australian adventure company specialising in small group expedition-style travel to polar regions and other wild and remote places. A world leader in polar cruising, Aurora offers their travellers the chance to have an intimate experience in these regions with their flexible, innovative itineraries. On some voyages, mountain climbing, sea kayaking, photography and scuba diving options are available and Aurora's expert naturalists, historians, staff and crew help to unlock the wonders of these special places. Deeply committed to education and preservation of the environment, Aurora's owners, Greg Mortimer and Margaret Werner are veterans of almost three decades of Antarctic research, private Antarctic mountaineering expeditions and polar travel. For information : [www.auroraexpeditions.com.au](http://www.auroraexpeditions.com.au)

## **EXTRA AAD FUNDS**

A Federal Government parliamentary committee reviewing AAD's funding has recommended \$50 million be spent over the next 10 years to continue waste management programs in Antarctica. Other essentials include a study of the need for a new marine research vessel, funding to manage the Mawson Huts site, science grants to be double and Australia to play a leading role in the 2007-08 International Polar Year.

## **ANTARCTIC ADD-ONS**

Midwinter Festival extras this year included Darrel Peebles and his Penguin Puppet, Dean Stevenson and Russell Dobie singing catchy tunes accompanied by guitar and bass, AAD staff swimming at Kingston Beach, snow at Salamanca Market, a NZ fur seal near Constitution Dock and whales near Bruny Island. Hobart Cruises offered trips during the winter months down the D'Entrecasteaux Channel to explore Hobart's maritime and whaling history.

## **ANTARCTIC AIR STAMPS**

Australia Post is issuing stamps recording the history of aviation in Australian Antarctic Territory on 6 September, 2005. The stamps show a Hughes 500 Helicopter, a De Havilland DCH-2 Beaver, a Pilatus PC-6 Porter and a Douglas DC-3. Dakota C-47.

## **NORTHERN SEALS**

Grey seals bred in captivity in Poland have been fitted with microchips and satellite transmitters and released into the Baltic Sea as part of a program to reintroduce them to their original habitat.

# ACAP OPENING

On 22 July 2005, a joint Memorandum of Understanding was signed by the Australian and Tasmanian Governments to provide a headquarters for the Secretariat of the Agreement on the Conservation of Albatrosses and Petrels (ACAP). The signing of the MoU was conducted as part of the official opening of the new Secretariat's office, which is located in Salamanca Square. The opening was witnessed by delegates to ACAP's first Advisory Committee meeting, held in Hobart from 20-22 July 2005.

ACAP is a multilateral agreement which seeks to conserve albatrosses and petrels by coordinating international activity to mitigate known threats to populations of these endangered seabirds. ACAP has been developed under the auspices of the Convention on the Conservation of Migratory Species of Wild Animals (CMS).

ACAP came into force on 1 February 2004 following the ratification of five Parties (Australia, New Zealand, Ecuador, Spain and the Republic of South Africa). France, Peru and the United Kingdom have since ratified while Argentina, Brazil and Chile have signed the agreement but have yet to ratify it.

The Tasmania Government has undertaken to provide the headquarters for the Secretariat for up to six years, as well as providing offices for the interim Secretariat for up to two years. The permanent Secretariat will be established once a Headquarters Agreement is concluded between the Parties to ACAP and the Australian Government. It is hoped that this will occur following the second Meeting of the Parties in late 2006.

Contact details for the ACAP Secretariat are:

ACAP Secretariat, Suite 25-26 Salamanca Square, GPO Box 824, Hobart, Tasmania, Australia 7001

Phone: +61 3 6233 3123, Fax: +61 3 6233 5497

Email: [warren.papworth@acap.aq](mailto:warren.papworth@acap.aq) or [barry.baker@acap.aq](mailto:barry.baker@acap.aq)

ACAP website: [www.acap.aq](http://www.acap.aq)



**ACAP STAFF L-R**

**Warren Papworth,  
Cathy Bruce,  
Dr. Helen Riley,  
Barry Baker.**

**Photo courtesy ACAP.**

- The Australian contribution involves the Commonwealth and State Governments and includes AAD (which runs the Seabird Conservation Program), Department of Primary Industries, Water and Environment, University of Tasmania and Australian National University.
- Sadly, all 18 shy albatrosses tagged for this year's Big Bird Race are presumed dead and no data has been received from them for over a month. Last year, only 3 birds out of 20 failed to finish the 10,000 km migration from islands off Tasmania to South Africa.





## BOOKS

**The Ninth Circle: A memoir of life and death in Antarctica, 1960-1962** by John Behrendt. Published by University of Mexico Press. Price: \$29.95.

- Using diary entries, this book provides a contrast between the safety aspects of USA activities in Antarctica in the 1960s and the present, with features of accidents occurring in planes and tractors.

**Digging up Deep Time** by Paul Willis and Abbie Thomas. Published by ABC Books. Price: \$34.95.

- Describes many of the major vertebrate fossil sites in Australia (with the exception of Tasmania), their geological implications and links with the original Gondwanaland.

**Antarctic Journey – 3 artists in Antarctica** by Peter Boyer, AAD. Published by Australian Government Publishing Services. Price: \$34.95.

- Describes the bases of artwork produced by John Caldwell, Bea Maddock and Jan Senbergs when they travelled to Antarctica in *Polar Bird*, Voyage 6, 1986-7. A select bibliography of Antarctic Art is included.

**Global Warming: A Complete Briefing** by John Houghton. Published by Cambridge University Press. Price: \$55.00.

- A comprehensive, well-regarded reference on global warming

**Meltdown: The Predictable Distortion of Global Warming by scientists, Politicians and the Media** by Patrick J. Michaels. Published by Cato Institute. Price: \$45.95

- A recent book debunking global warming theories.

**American Heat** by Donald A. Brown. Published by Rowman & Littlefield. Price: \$56.95

- Explores ethical problems with USA's response to global warming.

## FILMS

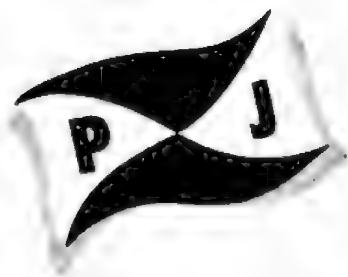
**The Longest Night Film Festival** – organised by Screen Tasmania, included Australian and world premieres of films from the North and South Pole, Himalayas, Iceland, Canada, Siberia and Australia. IB saw 'Berserk in the Antarctic', directed by Kaare Skard, Norway; '118 Days in Captivity of Ice', directed by Pavol Barabas, Slovakia; 'Frank Hurley, The Man Who Made History', directed by Simon Nasht, as well as the Hurley's recently remastered footage of Mawson's 1911-13 expedition. The last was accompanied by music specially composed and played by members of the Conservatorium of Music at the Midwinter Dinner.

'**March of the Penguins**', directed by Luc Jacquet and produced by Warner Independent Pictures, is set to be the No 2 documentary in USA in August this year. The film, which has been distributed to 1,867 theatres in USA and Canada, follows a pack of Emperor Penguins as they leave their summer feeding ground, trek inland to their winter breeding ground, protect their eggs and care for the chicks after hatching. It is expected that the film will surpass the \$21.6 million for Michael Moore's 'Bowling for Columbine', which ranked as No.2 after Moore's No. 1, 'Fahrenheit 9/11'.

## ICE BEARS' UPDATE

Gordon Bain, who distributes the Ice Box, the container full of Antarctic-related items, to Tasmanian schools, recently contacted IB with an update on Berkley and Ozgold, 2 toy bears who accompanied him to Antarctica in 2000. They subsequently visited Greenland as part of another expedition which can be seen on the new website.

<http://ku-prism.org/resources/BearsOnIce/index.html>  
<http://ku-prism.org/resources/Bears2004/2004index.htm>

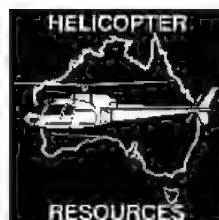


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Chinese stamp cover courtesy Klaus Peterson. NZ



2	September	2005	AAD official launch of Antarctic Airlink at Aurora Australis, 10.30 pm. Princes Wharf, Hobart Tasmania.
2	September	2005	New CCAMLR headquarters event. 4.00pm, 181 Macquarie St. <b>Hobart Tasmania.</b>
5-9	September	2005	International Symposium on High-elevation Glaciers and Climate Records. Lanzhou, China. Contact: <a href="http://www.igsoc.org/symposia">http://www.igsoc.org/symposia</a> .
6 , 8	September	2005	Marine Discovery Centre Open Days. 11.00am-2.00 pm. Jetty Road, <b>Woodbridge, Tas.</b>
14	September	2005	SCAR/COMNAP Conference 2006 Working Group meeting for TPN members. 4.00pm. Antarctic Tasmanian Offices, Salamanca Square. <b>Hobart Tasmania.</b>
14,16	September	2005	Marine Discovery Centre Open Days. 11.00am-2.00pm (14 <sup>th</sup> ), Noon-2.00pm (16 <sup>th</sup> ). Jetty Road, <b>Woodbridge, Tasmania.</b>
18-24	September	2005	22 <sup>nd</sup> International Polar Meeting for the German Society of Polar Research. Jena, Germany. Contact: <a href="http://www.awi-bremerhaven.de">www.awi-bremerhaven.de</a> .
23-27	October	2005	First International Marine Protected Areas Congress. Geelong, Victoria. Contact: <a href="http://www.impaccongress.org/">www.impaccongress.org/</a> .
24	October	2005	<b>Official Opening of new CCAMLR headquarters. Hobart, Tasmania</b>
25 5	October November	2005- 2005	CCAMLR meetings. <b>Hobart, Tasmania.</b>
30 2	October November	2005- 2005	2 <sup>nd</sup> International Alfred Wegener Symposium. Bremerhaven, Germany. Contact: <a href="http://www.alfred-wegener-symposium.de">www.alfred-wegener-symposium.de</a> .
8-11	November	2005	Climate Variability (CLIVAR): Working Group on Ocean Model Developments. Contact: <a href="http://www.cmar.csiro.au">www.cmar.csiro.au</a>
13-17	November	2005	Greenhouse 2005 'Action on Climate change' conference. Melbourne, Victoria. Contact: <a href="http://www.greenhouse2005.com">www.greenhouse2005.com</a>
5-9	December	2005	International Symposium on Sea Ice. Dunedin, NZ. Contact: <a href="http://www.igsoc.org/symposia">http://www.igsoc.org/symposia</a> .
9	December	2005	TPN meeting. 11.00am-1.00pm. CCAMLR headquarters. <b>Hobart, Tasmania.</b>

## IN ADVANCE

-19 July	2006	SCAR/COMNAP XVIII Meetings, including Trade Show. <b>Hobart, Tasmania.</b>
	2007-2008	<b>International Polar Year. For further details: <a href="http://www.ipy.org">www.ipy.org</a>.</b>



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# SHIPPING & AIR CALENDAR



18-19	October	2005	L'ASTROLABE	Arrives Hobart.
18	October	2005	AURORA AUSTRALIS V1	On Hire at Hobart.
28	October	2005-	AURORA AUSTRALIS V1	Casey Station.
1	November	2005		
8	November	2005	KAP. KHLEBNIKOV V1.1	Departs Hobart for Macquarie Island.
8-15	November	2005	AURORA AUSTRALIS V1	Davis Station.
12-13	November	2005	KAP. KHLEBNIKOV V1.1	Macquarie Island.
14	November	2005	CLIPPER ODYSSEY V1.2	Departs Los Angeles, USA.
24	November	2005	SPIRIT OF ENDERBY V2.1	Departs Bluff, NZ.
24	November	2005	CLIPPER ODYSSEY V1.2	Macquarie Island.
26	November	2005-	AURORA AUSTRALIS V1	Arrives Hobart, departs for Marine Science.
2	December	2005		
30	November	2005-	SPIRIT OF ENDERBY V2.1	Macquarie Island.
1	December	2005		
2	December	2005	CLIPPER ODYSSEY V1.2	Arrives Queenstown, NZ.
3-6	December	2005	L'ASTROLABE	Departs Hobart for Dumont D'Urville.
4	December	2005	KAP. KHLEBNIKOV V1.1	Arrives Lyttleton, NZ, departs for Macquarie Is.
4-10	December	2005	AURORA AUSTRALIS V2	Marine Science.
9	December	2005	MARINA SVETAIEVA V2.3	Arrives Hobart, departs for 25-day Commonwealth Bay Mawson's Huts conservation expedition.
11-12	December	2005	SPIRIT OF ENDERBY V2.1	Arrives Dunedin, NZ, departs for Macquarie Is.
12-13	December	2005	MARINA SVETAIEVA V2.3	Macquarie Island.
13-21	December	2005	L'ASTROLABE	Dumont D'Urville.
18-19	December	2005	SPIRIT OF ENDERBY V2.4	Macquarie Island.
16-22	December	2005	AURORA AUSTRALIS V2	Casey Station.
24-25	December	2005	KAP. KHLEBNIKOV V2.2	Macquarie Island.
27-29	December	2005	L'ASTROLABE	Arrives Hobart, departs for Dumont D'Urville.
29	December	2005	KAP. KHLEBNIKOV V2.5	Arrives Hobart, departs for Macquarie Is.
39	December	2005	SPIRIT OF ENDERBY V2.4	Arrives Dunedin, NZ.
31	December	2005-	AURORA AUSTRALIS V2	Arrives Fremantle, W.A.
2	January	2006		
1-2	January	2006	KAP. KHLEBNIKOV V2.5	Macquarie Island.
2-4	January	2006	MARINA SVETAIEVA V2.3	Arrives Bluff, NZ, departs for Macquarie Is.
4-8	January	2006	L'ASTROLABE	Dumont D'Urville.
12	January	2006-	AURORA AUSTRALIS V3	Marine science.
12	February	2006		
14	January	2006	ORION	Departs Hobart for 16-day Antarctic cruise.
21	January	2006	KAP. KHLEBNIKOV V2.5	Arrives Lyttleton, NZ
24-25	January	2006	MARINA SVAETIEVA V3.1	Macquarie Island
28	January	2006	MARINA SVAETIEVA V3.1	Arrives Hobart.

## FLIGHT CALENDAR FOR GINGER AND GADGET

15	October	2005	Hobart to Casey	F1&2	Essential crew only.
5	November	2005	Casey to Davis	F3	Transfer Davis personnel/cargo (p/c) ex V1.
5	November	2005	Casey to Mawson	F4	Transfer Mawson ex V1p/c via Davis.
13	November	2005	Mawson to Davis	F6	Transfer Mawson p/c to connect with V1.
13	December	2005	Davis to Casey	F17	Transfer Casey p/c ex V2.
17	December	2005	Casey to Davis	F18	Transfer p/c to connect with V2.
19	December	2005	Davis to Mawson	F19	Transfer from V2.
19	December	2005	Mawson to Davis	F20	
2	February	2006	Davis to Casey	F8	Final CASA 212 flight ex Davis.
28	February	2006	Casey To Hobart	F13&14	End of season ferry.

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